Next Nylon 66 Prime Series PST-01NC

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 UnFilled Super Tough Natural Compound
Product Applications
This product serve global market in the aerospace appliance automative, sporting goods, health care and many others. It is highly suited for use in thick walled injection molded parts.
Benefits
Its offers outstanding break resistance over a wide temperature and humidity range

General Information	
Features	Good Toughness High Impact Resistance
Uses	Aerospace Applications Appliances Automotive Applications Sporting Goods Thick-walled Parts
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS Compliant
Appearance	Natural Color
Processing Method	Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.08	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.7	--	%	
Across Flow	1.7	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	2.2	--	%	
Saturation [1]	6.7	--	%	

Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
M-Scale	70	--		
R-Scale	105	--		

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	50.0	44.0	MPa	ASTM D638
Tensile Elongation (Break)	35	> 50	%	ASTM D638
Flexural Modulus	2000	1100	MPa	ASTM D790

Flexural Strength	78.0	60.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	No Break	--		ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	135	--	°C	
1.8 MPa, Unannealed	65.0	--	°C	
Melting Temperature	260	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+13	1.0E+13	ohms·cm	IEC 60093
Electric Strength	31	39	kV/mm	IEC 60243-1
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature - Hot Air Dryer	80.0		°C	
Drying Time	4.0 to 6.0		hr	
Suggested Max Moisture	0.20		%	
Rear Temperature	260 to 270		°C	
Middle Temperature	270 to 280		°C	
Front Temperature	270 to 280		°C	
Mold Temperature	65.0 to 85.0		°C	
NOTE				
1.	Immersed			

Recommended distributors for this material

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